PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete If Known					
Application Number	10/699,241				
Filing Date	October 30, 2003				
First Named Inventor	Michael Schlansker				
Art Unit	2825				
Examiner Name	Thuan V. Do				
Attorney Docket Number	200300183-1				

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 [f known]}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TO		^{US-} 5,600,264-A	02-04-1997	Duong et al.	
70		^{US-} 4,670,749-A	06-02-1987	Freeman	
		US-			
		US-	<u> </u>		
		US-			
		U\$-			
		US-			
		US-			
		US-			
		US-			
		US-	1.		
		US-			

		FORE	IGN PATENT DOCU	MENTS		_
Examiner Initials*		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ
		Country Code ³ Number ⁴ Kind Code ³ (if known)	MM-DD-YYYY	r spindant of once bootiness	Or Relevant Figures Appear	1
						L
	<u> </u>			,		L
		•				L
	Į				1	ı

Examiner Signature	Olivendo	Date Considered	10-28-2005

*EXAMINE: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 If possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

MAY 1 6 2005

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO Complete if F

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Co.	mpiete if Known	•
Application Number	10/699,241	
Filing Date	October 30, 2003	
First Named Inventor	Michael Schlansker	
Art Unit	2825	
Examiner Name	Thuan V. Do	
Attorney Docket Number	200300183-1	

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TO		^{US-} 5,631,578-A	05-20-1997	Clinton et al.	
TD		^{US-} 5,651,013-A	07-22-1997	Iadanza	
		US-			-
-		US-			
		U\$-			
		US-			
		US-			
		US-			

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Oate	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages			
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁰		
						ļ		
	<u> </u>					├		
						├		
			 			├-		

Examiner Signature	Numando	Date Considered	10-28-2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Senior Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. "Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

				1	ATTY, DOCKET NO.		APPLICATION NO. CONFIRM	ATION NO	
F	ORM F	PTO-1449		- 1	200300183-1		. CONFINIT	ATION NO	
u	ST OF	PATENTS AND P	UBLICATIONS FOR		APPLICANT		<u> </u>		
A	PPLIC	ANT'S INFORMATI STATE		1	Schlansker et al.				
					FILING DATE		GROUP 0.206		
	(L	Ise several sheets	f necessary)				(8 d)		
REFERE	NCE	DESIGNATION	U.S. PA	TENT	DOCUMENTS		•		
XAMINE		DOCUMENT NUMBER	PUBLICATION DATE		NAME		Pages, Columns, Lines Who Relevant Passages or Figures A		
TO	1A	6,204,690	Mar. 20, 2001	Mar. 20, 2001 You					
TD	1B	6,243,851	Jun. 5, 2001	Hwa	ing et al.				
40	1C	6,292,022	Sep. 18, 2001	You	ng et al.		•		
70	1D	6,553,395	Apr 22, 2003	Mars	shall et al.				
<u> </u>	7 1E 6,353,841 Mar. 5, 2003		Mars	shall et al.					
	1F		+						
	1G	· · · · · · · · · · · · · · · · · · ·		+					
	1H			+-					
	11			┪—	· · · · · · · · · · · · · · · · · · ·				
				+		_			
	1J			-					
	1K						<u> </u>		
		DOCUMENT NUMBER	PUBLICATION DATE		ME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where llevant Passages/Figures Appear	Check if Translatio attached		
	1L		-	<u> </u>		↓_			
	1M					↓_			
	1N								
	10					_			
	1P		<u> </u>			<u>L</u>			
		OTHER REF	ERENCES (includin	g Auti	hor, Title, Date, Pe	ertin	ent Pages, etc.)		
40	10	V. Kathail, et a Computer, Sep	al., PICO (Program In otember 2002, 35(9)	n, Chip I, pp. 3	Out) : Automaticall 19-47	y De	signing Custom Computers,	EEE	
	1R	S.C. Goldstois	a et al DinaPanah	A Pos	configurable Architec		and Compiler JETT Commit		
TD		April 2000, 33	6. C. Goldstein, et al., PipeRench: A Reconfigurable Architecture and Compiler, IEEE Computer, April 2000, 33(4).						
10)	18	S. C. Goldstein Proceedings of 28-39.	n, et al., PipeRench: the 26th Annual Int	A Copternation	processor for Stream onal Symposium on	ning Com	Multimedia Acceleration, In puter Architecture, 1999, pp		
EXAMI	NER	Ulum	rdo		DATE CONSIDER	= D	10-28-2005		

Rev 02/03 (PTO1449)

PATENT APPLICATION

Sheet 2 of 4

FO	RM PT	O-1449		1	TTY, DOCKET NO.	A	PPLICATION N	O. CONFIRMA	MOIT.		
				<u> </u>	00300183-1						
		PATENTS AND PUI NT'S INFORMATIC		·	APPLICANT						
		STATE			chlansker et al. LING DATE	ाढ	ROUP A				
	(Us	e several sheets if	necessary)		LING DATE	٦	g 2	326			
REFEREN	NCE D	ESIGNATION	U.S. P	ATENT I	DOCUMENTS				_		
XAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE		NAME		Pages, Columns, Lines Where Relevant Passages or Figures Appea				
	2A										
	2B										
	2C										
	2D										
	2E										
	2F	···· · ··									
	2G				, 						
	2H										
	2i										
***************************************	2J			- ·							
	2K										
		DOCUMENT NUMBER	PUBLICATION DATE		E OF PATENTEE R APPLICANT		ges/Columns/Li ant Passages/F		Check Transla attach		
	2L										
	2M										
	2N	:		_	•				1		
	20								_		
	2P										
		OTHER REFE	RENCES (includ	ing Auth	or, Title, Date, P	Pertinen	t Pages, etc	.)			
TO	2Q	V. Betz and J. Area-Efficiency	Rose, Effect of th	e Prefabr is on VLS	cated Routing Tra il, Sept. 1998, 6(3	ick Distri 3), pp. 4	bution on FP 45-456.	GA .			
70	2R	Approach to So	Emre Özer, Sanjeev Banerjia, and Thomas M. Conte, Unified Assign and Schedule: A New Approach to Scheduling for Clustered Register File Microarchitectures, In Proceedings of the 31th Annual International Symposium on Microarchitecture (MICRO-31), Dallas, Texas, 1998, pp. 08-315.								
TD	25	M.C. Papaefthy Mathematical S	ymiou, Understand Systems Theory, 1	ding Retin 1994, 1(2	ning Through MaxI 7), pp. 65-84.	imum Av	verage-Delay	Cycles,			
EXAMI	NER NER				DATE CONSIDER	RED		<u>-</u>			
		Mu	medo		lo-	-) · Ÿ	2005				

PATENT APPLICATION

Sheet 3 of 4

					ATTY, DOCKET NO.	T	APPLICATION NO.	CONFIRMATION	NO N	
F	DRM PT	ГО-1449			200300183-1					
_		PATENTS AND PU		7	APPLICANT		· . # *	·		
A	PPUCA	STATE		1	Schlansker et al.					
	(Us	se several sheets if	necessary)		FILING DATE GROUP					
		25010114 71011			DOCUMENTO	i		<i>VI</i> ~		
	,	DESIGNATION		AIENI	DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	_	NAME		Pages, Columns Relevant Passages			
	ЗА									
	38							,		
	3C									
	3D		·		·					
	3E		*							
	3F									
	3G									
	зн	•								
	31									
	зл									
	зк									
		DOCUMENT NUMBER	PUBLICATION DATE		ME OF PATENTEE OR APPLICANT		Pages/Columns/Line evant Passages/Figu	s Where	eck if islation ached	
	3L				<u></u>					
	3M	:				-				
	3N					<u> </u>				
	30				" =	<u> </u>				
	3P									
		OTHER REFE	RENCES (Includio	ng Autl	hor, Title, Date, P	Pertine	ent Pages, etc.)			
40	3Q	Logic Emulator	ssier, and A. Agarv s, In Proceedings o CA 1993, pp. 142-	of the IE	ual Wires: [·] Overcor EE Workshop on Ff	ming F PGAs	Pin Limitations in for Custom Comp	FPGA-based outing Machines,		
70	3R	J.S. Rose and Arrays, IEEE JS	.S. Rose and S. Brown, Flexibility of Interconnection Structures for Field-Programmable Gate strays, IEEE JSSC, March 1991, 26(3), pp. 277-282.							
TO	38	applications, In	Cathedral III: Arci Proceedings of th 1991, pp. 597 - 6	e 28th /	e driven high-level : ACM/IEEE Design A	synthe Automa	esis for high throu ation Conference,	ighput DSP DAC 91, San	•	
EXAMI	NER	Mu	rando		DATE CONSIDER	RED	10-28-7	2 cm 5		
Rev 02/03 (P	TO1449)	 			L					

PATENT APPLICATION

Sheet 4 of 4

					·		T		
FO	RM P	TO-1449			ATTY. DOCKET NO.		APPLICATION NO	CONFIRMA	TION N
us	ST OF	PATENTS AND PU	IBLICATIONS FOR		200300183-1 APPLICANT			1	
		ANT'S INFORMATION	ON DISCLOSURE	i	Schlansk r et al.				
		STATE	MENI		FILING DATE		GROUP	/	
	(U	se several sheets it	f necessary)				713	6	
REFEREN	NCE	DESIGNATION	U.S. 1	PATENT	DOCUMENTS				•
EXAMINET INITIAL		DOCUMENT NUMBER	PUBLICATION DATE		NAME		Pages, Column Relevant Passages	s, Lines Where or Figures App	ear
. 1	4A								
	4B							·	
	4C		· //			···			
	4D								
	4E			_					
	4F			- 				<u> </u>	
	4G			+		\dashv			
	4H	-		+				;	
	41								
	4J				<u> </u>				
	4K								
				L					
		DOCUMENT NUMBER	PUBLICATION DATE	NA NA	PATENT DOCUME	T	Pages/Columns/Line		Check i
	4L	NOMBER 1	57.1.2	<u> </u>	OTTAT LIOATT	+		- Appear	attache
$\overline{}$	4M			ļ		+			
	4N					+			+
	-			-		╄-			
	40					-			<u> </u>
	4P					<u> </u>			<u> </u>
		OTHER REFE	RENCES (includ	ing Aut	hor, Title, Date, Pe	ertin	ent Pages, etc.)		
T0	40	Constantine N. Electronics Han	ANAGNOSTOPOI idbook, pp. 731-7	ULOS, P '48, CR(aul P. K. LEE, Applic C Press, Boca Raton	ation FL, 1	n-Specific Integrat 1996.	ed Circuits, 1	Fhe
<u>1</u> 0	4R	Bradley K. FAW The Bectronics	/CETT, Software Handbook, pp. 7	Develop 84-793,	ment Tools for Field CRC Press, Boca Re	Prog aton	rammable Gate A FL, 1996.	rray Devices,	
	48							V.	
EXAMIN	ER		A		DATE CONSIDERE	 ED			_
		Mus	W Switch				10-28-2	0 95	